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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/586,945

07/25/2006

Shoji Yuyama

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SUITE 800

WASHINGTON, DC 20006-1021

EXAMINER

PARADISO, JOHN ROGER

ART UNIT

PAPER NUMBER

3721

MAIL DATE

DELIVERY MODE

03/20/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/586,945	Applicant(s) YUYAMA ET AL.	
	Examiner John R. Paradiso	Art Unit 3721	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 July 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>7/25/06</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 6, 10, 11, 15-17, and 20-25 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 6 line 2, it is unclear how "the shutter is forced in such a direction as to constantly close the outlet" and still have it open at any time (since it is constantly closed).

In claim 10 line 2, in the recitation that "the arms are provided with two rollers and two or one rollers on one side", it is unclear whether the "two or one rollers on one side" are the same or different than the first mention of "two rollers".

In claim 11 line 2, in the recitation that "the arms are provided with two rollers and two or one rollers on one side", it is unclear whether the "two or one rollers on one side" are the same or different than the first mention of "two rollers".

In claim 15 line 2, in the recitation of "origin detection", it is unclear specifically what is being detected.

In claim 20 line 18, in the recitation of "transfers the vial taken out", it is unclear which vial this refers to.

In claim 25 line 2, in the recitation “the opening of the first drum is provided at a plurality of positions”, “the opening” apparently refers to a single specific opening; it is unclear how this can also mean a plurality of openings.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over YUYAMA ET AL (US 6308494) in view of HEBRON ET AL (US 6449927).

YUYAMA ET AL substantially discloses the claimed invention, including a vertically oriented, rotatable drum (6) (see Fig. 12) which has bases attached to the drum for mounting detachable cassettes (85) containing dispensable articles. Guide channels (75) guide the dispensable articles throughout the machine. Sensors (94) detect the presence or absence of the dispensable articles. A controller (204) detects the position of the drum and of the vials. Gripper units with arms (41) are moved to the vials needing to be moved, grip the vials with the horizontally moving arms (see Fig. 7)

YUYAMA ET AL does not disclose the use of robotic units for moving and motivating the grippers.

HEBRON ET AL discloses a machine for dispensing prescriptions which utilizes a robotic pick and place assembly (140) for moving vials. (see column 4:6-25)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of YUYAMA ET AL by adding robotic assemblies, as taught by HEBRON ET AL, to the gripper units in order to provide for more precise automatic control.

Reference Citations

5. The following prior art made of record and not relied upon is considered pertinent to Applicant's disclosure:

- LEPPER ET AL discloses the use of robot grippers to choose and pick articles (see column 10:2-6).

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Paradiso. The examiner can normally be reached Monday-Friday, 9:30 p.m. – 6:00 p.m. (ET).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rinaldi Rada, can be reached at the number listed below.

Any inquiry of a general nature or relating to the status of this application should be directed to the 3700 Technology Center Receptionist.

/John R Paradiso/

Examiner John Paradiso: (571) 272-4466

March 15, 2008

Additional Phone Numbers:

Supervisor Rinaldi Rada: (571) 272-4467

Fax (Official): (571) 273-8300

Fax (Direct to Examiner) (571) 273-4466 (Drafts only)